ABSTRACT OF THE DISCLOSURE

An extended coverage sidewall automatic fire sprinkler includes a generally tubular body with a central passageway and a central axis. One end of the passageway forms an outlet at one end of the tubular body. A closure at the one end of the tubular body at least essentially generally closes the passageway. A trigger positioned to releasably retain the closure at the outlet closes the passageway. A deflector at a discharge end of the sprinkler is coupled with the tubular body facing and spaced axially away from the outlet and intersects the central axis. The tubular body has a K factor greater than 9. The deflector is shaped and positioned to transform water discharged horizontally from the outlet upon release of the closure by the trigger into a spray pattern of water droplets dispersed over a generally horizontal, generally rectangularly-shaped extended coverage are of more than one hundred square feet located on one side of the sprinkler in an amount and with a distribution effective to control an ordinary hazard fire in the coverage area.